

WESTWYCK VILLAGE | Melbourne, Australia



Size: 30 homes

Dates: 1999-2013

Team: Mike Hill and Lorna Pitt, WestWyck Pty Ltd

Description: Westwyck is an ecovillage renovation of former school grounds. One Planet Living Community

Intent: Foster social and environmental sustainability, influence future developments

S
Sit+Place

GOALS: (Food) Not defined ; (Habitat+Biodiversity) Not defined ; (Transport) 1 car per resident, 10% or less of commuting trips by car

STRATEGIES: (Food) Community gardens ; (Habitat+Biodiversity) Rainwater landscaping for water filtration and evapotranspiration, trees planted for shading strategy, indigenous landscaping ; (Transport) Public transportation, pedestrian paths

W
Water

GOALS: 75% reduction in water use per resident

STRATEGIES: Water storage for rainwater harvesting, stormwater retention incorporated into landscaping, water separation, black-water treatment on site

E
Energy

GOALS: 100% electricity from renewable sources; 33% from on-site Solar PV. 75% reduction in building energy demand

STRATEGIES: Solar PV, energy efficient construction and renovation

E
Equity

Percentage of affordable units: 10%
GOALS: Foster community relationships

STRATEGIES: Public access to streets, human scale design, local economy, community centers, shared spaces

M
Materials

GOALS: (Materials) 50% reduction in carbon embodied in construction materials ; (Waste) 95% of waste from homes recycled

STRATEGIES: (Materials) Materials used in construction are reused, recycled or of recyclable materials, non-toxic materials ; (Waste) Resident education, recycling facilities

SUSTAINABILITY MATRIX

		STANDARD	GOOD	BETTER	LIVING COMMUNITY	REGENERATIVE
S Site+Place	Limits to growth		Developed for density/limits growth, contains open space			
	Urban Ag		Some community garden space			
	Habitat Exchange			Constructed wetlands, land set aside, native plantings, 25% + of developable space is undeveloped		
	Human Powered Living			Walkable streets, bicycle infrastructure, public transit links, car sharing, EV charging stations, easy access to services		
W Water	Net Positive Water			Greywater purification & reuse, on-site treatment of some blackwater, constructed wetlands, stormwater prevention (green-roofs & impermeable surfaces)		
	Net Positive Energy			2030 standards of efficiency, advanced construction techniques, ongoing monitoring to meet goals, net +ve energy, carbon neutral goals, 100% renewable energy		
E Energy	Civilized Environment		Community has some groups to promote social connections			
	Healthy Neighborhood Design	Limited access to walking trails, parks, recreation areas				
	Biophilic Environment			Innovative landscaping using native plants, rain gardens, constructed wetlands, access to parks, waterfront, community gardening		
	Resilient Community Connections	Nothing considered/ not reported				
H Health+ Happiness	Living Material Plan			Rigorous material selection standards, material plan made available to public		
	Embodied Carbon Footprint			Material selection requirements, proxy standards for reducing CO2 in material selection and construction on-going energy monitoring		
	Net Positive Waste			Reduction in construction waste, material selection for recycled/recyclable materials, innovative waste collection facilities, waste to energy		
	Human Scale and Humane Places					
M Materials	Universal Access to Nature and Place		Access to parks, promotes sense of place, some daylighting strategies for buildings			
	Universal Access to Community Services		Some services & community centers in development accessible by bike or walking			
	Equitable Investment	No contribution to charity				
E Equity	Beauty and Spirit					
	Inspiration and Education		Some education on the developments attributes, some opportunities for community events			
B Beauty						

SOURCES:

<http://www.westwyck.com/>
<http://www.bioregional.com/westwyck-ecovillage/>
<http://www.theswitchreport.com.au/business/westwyck-ecovillage-deeply-sustainable-living/>
<http://www.thefifthstate.com.au/business/public-community/westwyck-all-but-sells-out-as-demand-for-eco-and-friendly-apartments-grows/63415>



THE MCKNIGHT FOUNDATION



AIA
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